

ABSTRACT OF THE DISCLOSURE

Particular blocks are a boot block and parameter block having a storage capacity smaller than that of a general block. In the case where a boot block is not required, a signal BOOTE is set at an L level. In the case where a signal BLKSEL is at an H level in an erasure mode, a control unit selects four blocks aligned in a horizontal direction at the same time. The control unit also selects two blocks simultaneously in the vertical direction. As a result, the particular eight blocks are selected. The boot block and parameter block can be erased collectively as one block having a capacity similar to that of a general block. Therefore, a flash memory corresponding to the case of including a boot block and not including a boot block can be implemented simultaneously with one chip. Thus, the designing and fabrication process can be simplified.